

Agenda Item: 7-8D
Meeting Date: April 7 and 8, 2004

**CONSIDERATION OF A RESOLUTION
AUTHORIZING THE DIRECTOR, OR DESIGNEE, TO SIGN AN
INTERAGENCY AGREEMENT WITH THE UNIVERSITY OF CALIFORNIA, SAN DIEGO
FOR THE CALIFORNIA BAY-DELTA AUTHORITY SCIENCE FELLOWS PROGRAM**

Summary: This resolution would authorize the Director, or designee, to sign an interagency agreement with the University of California, San Diego, for the California Bay-Delta Authority (Authority) Science Fellows Program that will be administered by the California Sea Grant Program (Sea Grant), to further collaborative data analysis and research projects relevant to ecosystem management and water supply reliability.

Recommended Action: Staff recommends that the Authority adopt the attached Resolution 04-02-05.

Background

The Science Fellows Program is a project that brings together junior scientists, CALFED Program agency scientists and senior research mentors in collaborative data analysis and research projects relevant to ecosystem management and water supply reliability questions. The Authority's Science Fellows Program will put out a call annually for research proposals from junior scientists (with the backing of their research mentors) for analyses of the immense monitoring databases collected and maintained by the implementing agencies. The priority for these fellowships is data analyses, but could also include collaborative research projects aimed at high priority information needs outlined in the Science Program work plans, science agendas, and calls for proposals. Science Fellows will be competitively selected each year from proposals by a panel selected by the Authority's Lead Scientist and/or Deputy Director of Science and organized by Sea Grant (a program described in more detail on the following page). Selected fellows will work for a three-year period at the research mentor's university or research institution on the approved project. The approved research teams will ideally include an agency scientist who has direct experience in the collection of data to be analyzed. During the fellowships, the fellow, agency scientist, and research mentor will collaborate on the approved project, provide updated information, progress information, and any drafts or published material. The research mentor will be in charge of the project, providing broad oversight, first level peer review and progress information back to the CALFED Science Program.

Sea Grant sponsors and administers scientific research, fellowships, and panels of scientific advisors that contribute to the growing body of knowledge about coastal and marine resources and helps solve contemporary marine-related problems. California Sea Grant is the largest of the 30 Sea Grant programs nationwide and draws on the talents of the finest scientists and engineers at public and private universities throughout the State. It is administered by the University of California and is based at Scripps Institution of Oceanography in San Diego and receives and administers Federal and State funding from the Federal NOAA Sea Grant program, the California Resources Agency's Sea Grant Advisory Panel Program, and the California environmental license plate program. The staff at Sea Grant has a significant amount of expertise in science management.

The purpose of this agreement is to fund the California Sea Grant Program for seven years to administer the Authority Science Fellows Program. The intent is to provide \$1.8 million to fund each of four separate Authority Fellows research teams, for a total amount of \$7.2 million. Each research team is to be funded over a three-year period with each team's research period being staggered a year apart for a total contract period of seven years.

The Authority has a current contract with the University of California, San Diego, for \$2 million for the period of December 1, 2002 through November 30, 2005. This contract is for the first Authority's Science Fellows Program which has funded a team currently undertaking research. This new contract will continue the important work started by the first group of Authority's Science Fellows to assist in integrating world-class science and peer review into all activities of the CALFED Program and develop the best scientific information possible to guide decisions and evaluate actions critical to its success.

Fiscal Information

Funding Source: Proposition 50

Term: January 1, 2004 to December 31, 2010

Total Amount: \$7.2 million

List of Attachments

Attachment 1 - Proposed Scope of Work
Resolution 04-04-05

Contact

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Deputy Director of Science

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Attachment 1
CALIFORNIA BAY-DELTA AUTHORITY
Science Fellows Program

Proposed Scope of Work

1. Background

California Bay-Delta Authority (Authority) Science Fellows Program. The Authority Science Fellows Program is a project that brings together young scientists, CALFED Program agency scientists and senior research mentors in collaborative data analysis and research projects relevant to ecosystem management and water supply reliability questions. The Science Fellows Program will put out a call annually for research proposals from junior scientists (with the backing of their research mentors) for analyses of the immense monitoring databases collected and maintained by CALFED implementing agencies. The priority for these fellowships is data analyses, but could also include collaborative research projects aimed at high priority information needs outlined in the CALFED Science Program Multi-Year Program Plans, science agendas, and calls for proposals. The Science Fellows will be competitively selected each year from proposals, by a panel selected by the CALFED Lead Scientist and/or Deputy Director of Science, and organized by Sea Grant. Selected fellows will work for a three-year period at the research mentor's university or research institution on the approved project. The approved research teams will ideally include an agency scientist who has direct experience in the collection of data to be used. During the fellowships, the fellow, State staff, and research mentor will collaborate on the approved project, provide updated information, progress information, and any drafts or published material. The research mentor will be in charge of the project, providing broad oversight, first level peer review and progress information back to the CALFED Science Program.

California Sea Grant College Program, University of California San Diego (Sea Grant). California Sea Grant sponsors and administers scientific research, fellowships, and panels of scientific advisors that contribute to the growing body of knowledge about coastal and marine resources and helps solve contemporary marine-related problems. California Sea Grant is the largest of the 30 Sea Grant programs nationwide and draws on the talents of scientists and engineers at public and private universities throughout the State. It is administered by the University of California and is based at Scripps Institution of Oceanography in La Jolla and receives and administers Federal and State funding from the Federal NOAA Sea Grant program, the California Resources Agency's Sea Grant Advisory Panel Program, and the California environmental license plate program. The staff at Sea Grant has a significant amount of expertise in science management.

2. General Statement of Work

The purpose of this agreement is to fund the California Sea Grant Program for seven years to administer the Authority Science Fellows Program. The intent is to provide \$1,800,000 to fund each of four separate Authority Fellows research teams, for a total amount of \$7,200,000. Each research team is to be funded over a three-year period (staggered a year apart) for a total contract period of seven years for all four teams.

3. Tasks, Deliverables, and Timelines

Task 1: Administrative support for research fellow selection and award process

Task 1A: Call for research proposals

Each year for four years, the Authority Deputy Director for Science will communicate the desired elements of research proposals and eligibility requirements to Sea Grant. Sea Grant will draft a nationwide call for postdoctoral and graduate student research proposals. The CALFED Lead Scientist and/or Deputy Director for Science will review and approve the call for research proposals.

Schedule and Deliverables: Upon execution of this contract, Sea Grant will provide a draft call for research proposals to the Deputy Director for Science and annually thereafter in January of each year for the next three years.

Task 1B: Administer fellowship proposal and application process

Sea Grant will publish the approved call for proposals annually using its network and standard advertising list, including but not limited to appropriate scientific journals, professional society newsletters, and student networks. Sea Grant will manage the applications, communicate to the Deputy Director for Science summary information about proposals received, and prepare information for the selection panel.

Following the publication of the call for proposals, Sea Grant will provide fellowship research administrative services, including but not limited to, providing a web-based system to facilitate the application and review process, answering questions from applicants, managing the applications, communicating with the review panel, coordinating the information and meetings for the selection process, and communicating the results of the selection panel with the applicants.

Sea Grant will organize a selection panel annually, comprised of the Lead Scientist and/or Deputy Director for Science, who will a) recommend to Sea Grant members of Authority Boards and panels who would be appropriate reviewers and b) make a final approval of the selection panel. The selection panel will select research fellows annually.

Schedule and Deliverables: Annually, within 60 days after approval of the call for proposals by the Deputy Director for Science, Sea Grant will publicize the call for research proposals.

Task 2: Administer fellowship research

Sea Grant will allocate funds to each fellow's host institution via a subcontract or subaward. Sea Grant will administer the fellowship grants. The subcontracts and subawards will be for an agreed-upon sum for a period of three years for the four research teams, and payments will be made on a monthly basis in arrears. The Deputy Director for Science must approve any subcontracts before Sea Grant finalizes them.

Research Mentor Responsibilities:

- The research mentor's role is to provide general oversight, direction, and first-level peer review of all aspects of the project.
- In the event that progress is determined to be unsatisfactory by the mentor, Sea Grant, the Lead Scientist and/or Deputy Director for Science, and the research mentor will jointly either agree to find another fellow or the mentor will assume active responsibility and will receive no more compensation than the total fixed cost of the subcontract plus allowable travel and equipment costs minus payments already made to the fellow. In this event, the research mentor will be paid the monthly stipend that would have been paid to the fellow.

Fellow Responsibilities:

- Fellows will work on this project full time.
- Fellows will have primary responsibility for undertaking all of the work of the selected project, under the general oversight and direction of the research mentor.
- Fellows are responsible for submitting travel, supply, and equipment reimbursement claims directly to their appropriate Business Office, who will then be responsible for invoicing Sea Grant for reimbursement.
- Fellows are required to submit an abstract for an oral or poster presentation at each State of the Estuary and CALFED Science Conference during the duration of the fellowship.

Joint Responsibilities of the Research Mentor and Fellow:

- The research mentor and the fellow agree to be responsible for the defined products listed below:

Schedule and Deliverables: Deliverables will be comprised of abstracts, presentations, posters, unpublished summaries, and publications in scientific journals specific to the accepted research proposal.

Deliverables include: a) information presented at each CALFED Science Conference and each State of the Estuary conference during their fellowship (oral presentations

may substitute for posters), b) preparation and presentation of one or more briefings to the CALFED science community upon request from the Lead Scientist and/or Deputy Director for Science for all subcontracts c) an annual report of progress as outlined below and d) printed and electronic copies of publications resulting from the project three years after completion of the contract.

Deliverable: Interpretive products resulting from these projects must be provided to the California Bay-Delta Authority for publication on its web site or linked to another publication website.

Deliverable: An annual report of progress with: (a) a list of bullet items on what was done; (b) a list of presentations and talks, regardless where; (c) a list of written material and publication outlet with electronic copies; and (d) a paragraph describing the progress of the project to be posted on the CALFED science program web site.

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**CALIFORNIA BAY-DELTA AUTHORITY
RESOLUTION 04-04-05**

AUTHORIZING THE DIRECTOR, OR DESIGNEE, TO SIGN AN INTERAGENCY AGREEMENT WITH THE UNIVERSITY OF CALIFORNIA, SAN DIEGO, FOR THE CALIFORNIA BAY-DELTA AUTHORITY SCIENCE FELLOWS PROGRAM.

WHEREAS, the CALFED Program Record of Decision and the Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Proposition 50) seek to integrate world-class science and peer review into all activities of the CALFED Program and develop the best scientific information possible to guide decisions and evaluate actions critical to its success; and

WHEREAS, there is a consistent knowledge gap, with little systematic analysis, of existing monitoring databases collected and maintained by CALFED implementing agencies that is a high priority for the Science Program to analyze and review; and

WHEREAS, the Science Program Multi-Year Program plan task to improve monitoring capabilities includes funding fellowship proposals for analysis of existing data which is important to assess program performance and clearly explain how well species and ecosystems respond to program actions; and

WHEREAS, the California Sea Grant College Program, University of California, San Diego, is a nationally known program that sponsors and administers scientific research, fellowships, and panels of scientific advisors, drawing on the talents of scientist and engineers at public and private universities; and

WHEREAS, the California Sea Grant College Program, University of California, San Diego has submitted a multi-year proposal to provide four separate Authority Science Fellows research teams to perform data analysis and collaborative research projects aimed at high priority information needs outlined in the Science Program Work Plans; and

WHEREAS, each research team is to be funded over a three-year period (staggered a year apart) for a total contract period of seven years with Proposition 50 funding;

NOW, THEREFORE, BE IT RESOLVED that the California Bay-Delta Authority authorizes the Director, or his designee, to execute an interagency agreement with the University of California, San Diego, for the CALFED Science Fellows Program, as generally described in the attached scope of work, for an amount not to exceed \$7.2 million, subject to appropriation of adequate funds.

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CERTIFICATION

The undersigned Assistant to the California Bay-Delta Authority does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Authority held on April 7 and 8, 2004.

Dated: _____

Heidi Rooks
Assistant to the California Bay-Delta Authority